

ORDER FOR SUPPLIES OR SERVICES

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 05/18/2016		2. CONTRACT NO. (If any) EP-S2-15-01		6. SHIP TO: a. NAME OF CONSIGNEE Eric Daly	
3. ORDER NO. 0023		4. REQUISITION/REFERENCE NO. PR-R2-16-00233			
5. ISSUING OFFICE (Address correspondence to) Region 2 US Environmental Protection Agency Contracts Management Section 290 Broadway - 27th Floor New York NY 10007-1866				b. STREET ADDRESS R2 NJ US Environmental Protection Agency 2890 Woodbridge Ave, Building 209	
				c. CITY Edison	e. ZIP CODE 08837-3679
7. TO: Peter Johnson				f. SHIP VIA	
a. NAME OF CONTRACTOR GUARDIAN ENVIRONMENTAL SERVICES COMPANY, INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 70 ALBE DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY NEWARK		e. STATE DE	f. ZIP CODE 197021322		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE R2 PROGRAM OFFICE NJ	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input checked="" type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) <input type="checkbox"/> h. EDWOSB VETERAN-OWNED ELIGIBLE UNDER THE WOSB PROGRAM				12. F.O.B. POINT	
13. PLACE OF a. INSPECTION b. ACCEPTANCE		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 05/18/2016	
16. DISCOUNT TERMS					

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 197020662 TOCOR: Eric Daly Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)	
	21. MAIL INVOICE TO:							
	a. NAME RTP Finance Center						\$300,000.00	
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$300,000.00	
c. CITY Durham						d. STATE NC	e. ZIP CODE 27711	17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature) 05/18/2016

Anthony Tao

ELECTRONIC SIGNATURE

23. NAME (Typed)
Anthony Tao
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 05/18/2016	CONTRACT NO. EP-S2-15-01	ORDER NO. 0023
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Admin Office: Region 2 US Environmental Protection Agency Contracts Management Section 290 Broadway - 27th Floor New York NY 10007-1866</p> <p>Accounting Info: 16-T-2AD0E-303DC6-2505-A23QRV00-C001-162AHE1 074-001 BFY: 16 Fund: T Budget Org: 2AD0E Program (PRC): 303DC6 Budget (BOC): 2505 Job #: A23QRV00 Cost: C001 DCN - Line ID: 162AHE1074-001 Period of Performance: 05/18/2016 to 04/28/2017</p> <p>Obligate \$300,000 to Guardian Environmental Services to conduct removal actives at the Niagara Falls Boulevard Site, Site ID A23Q</p> <p>This amount brings the total amount obligated to date for this Site to \$300,000</p>				300,000.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$300,000.00

STATEMENT OF WORK

BACKGROUND:

In 1978, the U.S. Department of Energy conducted an aerial radiological survey of the Niagara Falls region and found more than 15 properties having elevated levels of radiation above background levels. It is believed that, in the early 1960s, slag from the Union Carbide facility located on 47th Street in Niagara Falls was used as fill on the properties prior to paving. The Union Carbide facility processed ore containing naturally-occurring high levels of uranium and thorium to extract niobium. The slag contained sufficient quantities of uranium and thorium to be classified as a licensable radioactive source material. Union Carbide subsequently obtained a license from the Atomic Energy Commission, now the Nuclear Regulatory Commission, and the State of New York; however, the slag had already been used as fill throughout the Niagara Falls region prior to licensing. Based on the original survey and subsequent investigations, it is believed that the radioactive Union Carbide slag was deposited on the NFB site.

The Niagara Falls Boulevard Site is located in a mixed commercial and residential area of Niagara Falls, New York. The site consists of two parcels, namely 9524 and 9540 Niagara Falls Boulevard. This site encompasses approximately 2.53 acres. Currently, the 9524 Niagara Falls Boulevard property contains a bowling alley and an asphalt parking lot; the 9540 Niagara Falls Boulevard property contains a building supply business and an asphalt parking lot. The properties are bordered to the north by a wooded area; to the east by a church; to the south by Niagara Falls Boulevard, beyond which is a residential area; and to the west by a hotel and residential area.

Analytical results obtained from New York State, USEPA Pre-Remedial Program and USEPA Removal Program assessments indicate that material comprising the earthen layer of the majority of this site property is contaminated with radionuclides significantly higher than at background conditions (i.e., greater than 2x background concentrations). The contamination is present underneath:

- The aforementioned asphalt parking lot.
 - There is minimal shielding provided by the asphalt and there are breaches throughout the parking lot that exhibit even higher readings of gamma radiation and provide a greater chance of airborne material to migrate.
- The surrounding woods.
 - The slag has been deposited well beyond the asphalt parking lot.
 - There are signs of the public spending time in these wooded areas (Bottles, trash, makeshift seating areas, fire pits)
- Sections of the Bowling Alley
 - These sections were constructed after the slag fill was deposited and located on top of the radioactive contamination.
 - The Northern vestibule.
 - The walk in refrigerator located on the Southwest side of the building.

- Sections of the Building Supply Business
 - These sections were constructed after the slag fill was deposited and located on top of the radioactive contamination.
 - The additional offices added to the Southwest side of the building.
 - The Northern warehouse of the building.

The purpose of this Task Order is to eliminate the threat of:

- Direct contact with the radioactive material via inhalation.
- Off-Site migration of radioactive material via clothing, footwear, vehicle traffic.
- Exposure to elevated gamma radiation located throughout the site.
- Exposure of elevated radon levels located inside the Building Supply Business.

TASKS TO BE PERFORMED:

The contractor shall furnish all necessary personnel, equipment and materials to perform the following:

1. ERRS Project Manager (PM) and/or ERRS Response Manager (RM) to immediately contact the OSC to discuss the SOW, logistics, timelines, and establish an initial work assignment (i.e. daily/weekly work order) including tasking and hours for ERRS personnel. The OSC designated for this Task Order is Eric Daly. Mr. Daly can be reached at 908 420 1707.
2. Provide a Site Specific HASP for the below listed site after the site walk to cover work specified in this task order, and identify any site specific health and safety protections and or training required for workers to execute this statement of work.
3. Provide a Utility mark out for work areas as shown in the site map
Coordinate with OSC to develop a plan for the mitigation of the radioactive waste existing at the Site. The plan may include one or more of the items listed below:
 - a. **Pilot Study Shielding:** There is a possibility that shielding may be implemented in certain areas instead of removing the contaminated material. If so, radiation test shielding will be conducted in areas designated by the USEPA On-Scene Coordinator (OSC). This may include the outdoor property and possibly interior spaces. Surfaces that may be shielded could be concrete, asphalt or earthen layer. A small forklift will be required for lifting ½" steel plates of a 3' X 3' dimension. The weight of ½" plate is 20.5 lbs/ft². Six plates of ½" X 3' X 3'. Weight per sheet is 184 lbs. A 4" pre cast concrete slab of a 3' X 3' minimum dimension is also required for the radiation test shielding. Directions to pick up location to be provided by OSCs. This material will be provided by the government.
 - b. **Above Grade Shielding:** The contractor may have to provide installation of shielding in accordance with a detailed action/work plan. The plan is to be developed after test shielding has been completed and the technical team reviews are completed. This shielding may be installed in areas of radiation levels designated suitable by the technical team. Shielding design may include

½” – 1” steel plates (multiple panels) and/or 4000 psi concrete. The shielding may also contain a Lead (Pb) layer sealed within the other shielding materials.

- c. **Excavation of asphalt, concrete and portions of the contaminated slag-soil prior to shielding:** This option could potentially entail excavation of asphalt, concrete and soil/aggregate from the parking lot, buildings and wooded areas. Material will be staged properly for eventual disposal. Once designated amount of material is removed, shielding will be installed as per technical team specifications.
- d. **Excavation of asphalt, concrete and all of the contaminated slag-soil without shielding:** This option could potentially entail excavation of asphalt, concrete and soil/aggregate from the parking lot, buildings and wooded areas. Material will be staged properly for eventual disposal. Once designated amount of material is removed, clean fill, concrete and/or asphalt will be installed.
- e. **Off-site disposal of all hazardous substances identified and recovered during the course of the removal action.**
- f. **Off-site disposal of hazardous waste and/or substances will comply with the Off-Site Rule, 40 CFR 300.440.**

- 4. Conduct all operations in accordance with applicable Federal and State safety standards.
- 5. Additional technical direction will be provided by the OSC through daily work orders.

EPA considers some of the planned activities in this SOW to be subject to Construction Wage Rate Requirements (formerly known as the Davis Bacon Act) wages.

Site Name: Niagra Falls Boulevard
State: New York
Task Order #: 23
Guardian Environmental Services CONTRACT EP-S2-15-01 Base Period Year 2

PERSONNEL CLIN	RCMS #	ITEM DESCRIPTION	QUANTITY	UNIT	GUARDIAN UNIT PRICE	GUARDIAN AMOUNT
2001A	1-05	Response Manager	450	Hours	\$79.67	\$35,851.50
2001B	1-05	Response Manager	0	Hours	\$57.51	\$0.00
2002A	1-10	Foreman	0	Hours	\$53.10	\$0.00
2002B	1-10	Foreman	0	Hours	\$52.62	\$0.00
2003A	2-05	Equipment Operator	450	Hours	\$57.91	\$26,059.50
2003B	2-05	Equipment Operator	450	Hours	\$63.97	\$28,786.50
2004A	2-13	Field Cost Admin.	450	Hours	\$39.30	\$17,685.00
2004B	2-13	Field Cost Admin.	0	Hours	\$45.57	\$0.00
2005A	2-03	Clean-up Technician	450	Hours	\$37.00	\$16,650.00
2005B	2-03	Clean-up Technician	450	Hours	\$41.00	\$18,450.00
2006A	2-20	Truck Driver	0	Hours	\$47.93	\$0.00
2006B	2-20	Truck Driver	0	Hours	\$52.94	\$0.00
2007A	3-07	Chemical Technician	0	Hours	\$51.74	\$0.00
2007B	3-07	Chemical Technician	0	Hours	\$57.14	\$0.00
2008A	4-01	Chemist	0	Hours	\$62.37	\$0.00
2008B	4-01	Chemist	0	Hours	\$45.02	\$0.00
2009	4-10	Engineer/Chemical	0	Hours	\$53.57	\$0.00
2010	4-10	Engineer/Civil	0	Hours	\$53.57	\$0.00
2011A	4-15	Industrial Hygienist/Safety	225	Hours	\$59.85	\$13,466.25
2011B	4-15	Industrial Hygienist/Safety	0	Hours	\$43.20	\$0.00
2012A	4-30	T&D Coordinator	225	Hours	\$54.58	\$12,280.50
2012B	4-30	T&D Coordinator	0	Hours	\$39.40	\$0.00
PERSONNEL TOTAL						\$169,229.25
EQUIPMENT CLIN						
2025	01-140-010	Car-Passenger	0	Days	\$20.00	\$0.00
2026	01-230-050	Truck-Pickup 1/2 Ton	0	Days	\$30.00	\$0.00
2027	01-235-075	Truck-Pickup 4 WD 3/4 Ton	80	Days	\$30.00	\$2,400.00
2028	01-340-015	Van-Passenger	0	Days	\$45.00	\$0.00
2029	01-290-040	SUV 4 WD	40	Days	\$45.00	\$1,800.00
2030	02-160-001	Trailer-Storage/Box <10 ft	40	Days	\$40.00	\$1,600.00
2031	02-130-001	Trailer-ER-HAZMAT <18 ft	0	Days	\$40.00	\$0.00
2032	01-280-012	Truck-Stake/Flatbed	0	Days	\$55.00	\$0.00
2033	03-250-060	Skid Steer-Loaders 6K<8K	80	Days	\$125.00	\$10,000.00
2034	05-001-021	Meter/Monitor-Combo PID/FID	0	Days	\$1.00	\$0.00
2035	05-015-010	Radio-Handheld	200	Days	\$1.00	\$200.00
2036	07-300-005	Generator-5<10 KW	0	Days	\$35.00	\$0.00
2037	07-300-010	Generator-10<15 KW	0	Days	\$65.00	\$0.00
2038	07-630-025	Water Washer Pressure	40	Days	\$30.00	\$1,200.00
2039	08-220-001	Pump-Submersible-1.5 in	40	Days	\$25.00	\$1,000.00
2040	08-240-002	Pump-Trash/Sludge-2 in	40	Days	\$8.50	\$340.00
Equipment Total						\$18,540.00
ODC Charges						\$106,379.86
G&A Charge on ODCs						\$5,850.89
ODC Total						\$112,230.75
SUM OF ALL COSTS						\$300,000.00